formula:

$$M_kY_p$$

wherein:

M is a metal selected from one or more of the group consisting of Fe, Ni, Co,
V and Cr;

Y represents one or more elements from the group consisting of P, B and C;

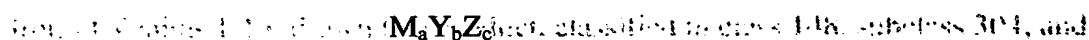k represents atomic percent, and has a value of from about 70 – 85; and

p represents atomic percent, and has a value of about 15 – 30.

An amorphous metal alloy article having an articulated topographical definition wherein the amorphous metal alloy has a composition defined by the formula:

$$M_aY_bZ_c$$

wherein:

M is a metal selected from one or more of the group consisting of Fe, Ni, Co,
V and Cr;

Y represents one or more elements from the group consisting of P, B and C;

Z is one or more elements selected from the group Al, Si, Sn, Ge, In, Sb or Be;

a represents atomic percent and has a value of from about 60 – 90;

b represents atomic percent and has a value of from about 10 – 30;

c represents atomic percent and has a value of from about 0.1 – 15;

and, a+b+c = 100.